

AMENDMENTS TO THE CLAIMS

Please cancel claim 34, and amend claims 33 and 36-49, as follows. A complete listing of pending claims is provided below.

1-32. (Canceled)

33. (Currently Amended) A method for detaching an occlusive ~~implant into~~ coil at a site to be occluded in a body cavity, comprising the steps of:

i) ~~inserting~~ providing a catheter having a distal section and ~~having an implant an occlusive coil attached to the distal section~~ such that a distal end of the coil is distal to the catheter distal section;

ii) ~~placing the implant~~ inserting the catheter in a body such that the coil is placed at a site to be occluded;

iii) directing a fluid to the catheter distal section through a lumen in said catheter such that the fluid radially expands the catheter distal section to thereby release said ~~implant coil~~ from the distal section.

34. (Canceled)

35. (Previously Presented) The method of claim 33, wherein said catheter is a tube.

36. (Currently Amended) The method of claim 33, wherein the catheter distal section further comprises a radially expanding coupling that releases ~~said implant~~ the coil when the coupling is radially expanded by fluid pressure.

37. (Currently Amended) The method of claim 33, wherein the ~~implant~~ coil is not in fluid communication with ~~said~~ the lumen.

38. (Currently Amended) ~~An apparatus~~ A system for delivering an occlusive ~~device~~ coil to a vascular passage, comprising:

an occlusive coil having a length; and

a delivery member having a coupling portion, the coupling portion having a length that is shorter than the coil length, the coupling portion changing configuration in response to fluid pressure applied to the coupling portion to release an the occlusive device coil from the coupling portion.

39. (Currently Amended) The ~~apparatus~~ system of claim 38, wherein the coupling portion changes configuration by expanding in a substantially radial direction in response to fluid pressure applied to the coupling portion.

40. (Currently Amended) The ~~apparatus~~ system of claim 38, wherein the coupling portion comprises a coupling member that couples to the occlusive ~~device~~ coil by clamping the occlusive ~~device~~ coil in a substantially fixed position, the coupling member changing configuration by expanding in a substantially radial direction in response to fluid pressure applied to the coupling member.

41. (Currently Amended) The ~~apparatus~~ system of claim 40, wherein the coupling member comprises a plurality of slots that engage the implant.

42. (Currently Amended) The ~~apparatus~~ system of claim 38, wherein the coupling portion is configured so that the occlusive ~~implant~~ coil is not in fluid communication with the coupling portion.

43. (Currently Amended) The ~~apparatus~~ system of claim 38, wherein the coupling portion comprises a distal portion of the delivery member.

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44. (Currently Amended) ~~An apparatus~~ A system for delivering an occlusive ~~device~~ coil to a vascular passage, comprising:

an occlusive coil having a length; and

a delivery member, the delivering member comprising a deformable coupling portion that changes shape in response to fluid pressure applied to the coupling portion to release ~~an~~ the occlusive ~~device~~ coil from the coupling portion, the coupling portion having a length that is shorter than the coil length.

45. (Currently Amended) The ~~apparatus~~ system of claim 44, wherein the coupling portion changes shape by expanding substantially radially outward in response to fluid pressure applied to the coupling portion.

46. (Currently Amended) The ~~apparatus~~ system of claim 44, wherein the coupling portion comprises a coupling member that, when in one shape, is configured to couple ~~an~~ the occlusive ~~implant~~ coil to the coupling member.

47. (Currently Amended) The ~~apparatus~~ system of claim 46, wherein the coupling member couples the occlusive ~~implant~~ coil by clamping action.

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48. (Currently Amended) The ~~apparatus~~ system of claim 44, wherein the coupling portion is configured so that ~~an~~ the occlusive ~~implant~~ coil is not in fluid communication with the coupling portion.

49. (Currently Amended) The ~~apparatus~~ system of claim 44, wherein the coupling portion comprises a distal portion of the delivery member.
